# BRUHATH BANGALORE MAHANAGARA PALIKE

| | | |
|---|---|---|
| Name of the Agency | : | **Mr. M. Krishnamurthy,** Contractor, Bangalore. |
| Name of the Work | : | Providing and laying HDPE Water line in Ganesha Temple Block - IV in JP Park, Ward No. 17, BBMP, Bangalore. |
| Estimate Cost | : | Rs. |

## QUALITY CONTROL REPORTS TO

Asst. Executive Engineer,
Yeshwanthapura Sub Division,
BBMP, Bangalore.


## CIVIL-TECH CONSULTANTS & ENGINEERS

Building & Highway Material Testing Laboratory
NABL ACCREDITED LABORATOTY AS PER ISO / IEC – 17025:2005
No.23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara,
Basaveshwaranagar, Bangalore – 560 079.

*QUALITY CONTROL REPORTS FOR*

WET MIX MACADAM(WMM)

# CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

**NABL** - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED


Job No.: CTCE/BBMP/WNo.17/MK/WMM/Gradation/2014-15

17.04.2014

## GRADATION FOR WMM
## MORTH TABLE-400-11

**Client** : **Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.

**Agency** : **Mr. M. Krishnamurthy,** Contractor, Bangalore.

**Name of Work** : Providing and laying HDPE Water line in Ganesha Temple Block - IV in JP Park, Ward No. 17, BBMP, Bangalore.

**Reference** : EE/RRND/Wo. No./221/2013-14 Dated: 05.02.2014

Date of Testing : 17.04.2014

Material : WMM

Sample ID : WMM Layer

Oven Dry Wt (gm): 8600

| Is Sieve Size in mm | Weight Retained (gm) | Cumulative Weight Retained (gm) | Cumulative % of Retained | Cumulative % of Passing | Spec.Limits |
|---|---|---|---|---|---|
| 53 | 0 | 0 | 0 | 100 | 100 |
| 45 | 290 | 290 | 3.4 | 96.6 | 95-100 |
| 22.4 | 2710 | 3000 | 34.9 | 65.1 | 60-80 |
| 11.2 | 1515 | 4515 | 52.5 | 47.5 | 40-60 |
| 4.75 | 1255 | 5770 | 67.1 | 32.9 | 25-40 |
| 2.36 | 980 | 6750 | 78.5 | 21.5 | 15-30 |
| 0.600 | 795 | 7545 | 87.7 | 12.3 | 8-22 |
| 0.075 | 675 | 8220 | 95.6 | 4.4 | 0-8 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

M/s. Civil-Tech Consultants & Engineers
# 23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

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17.04.2014

## GRADATION FOR WMM
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**Agency** : **Mr. M. Krishnamurthy,** Contractor, Bangalore.

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**Reference** : EE/RRND/Wo. No./221/2013-14 Dated: 05.02.2014

Date of Testing : 17.04.2014

Material : WMM

Sample ID : WMM Layer

Oven Dry Wt (gm): **7400**

| Is Sieve Size in mm | Weight Retained (gm) | Cumulative Weight Retained (gm) | Cumulative % of Retained | Cumulative % of Passing | Spec.Limits |
|---|---|---|---|---|---|
| 53 | 0 | 0 | 0 | 100 | 100 |
| 45 | 175 | 175 | 2.4 | 97.6 | 95-100 |
| 22.4 | 2665 | 2840 | 38.4 | 61.6 | 60-80 |
| 11.2 | 1180 | 4020 | 54.3 | 45.7 | 40-60 |
| 4.75 | 955 | 4975 | 67.2 | 32.8 | 25-40 |
| 2.36 | 815 | 5790 | 78.2 | 21.8 | 15-30 |
| 0.600 | 770 | 6560 | 88.6 | 11.4 | 8-22 |
| 0.075 | 570 | 7130 | 96.4 | 3.6 | 0-8 |

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Civil-Tech Consultants & Engineers Bangalore

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## GRADATION FOR WMM
## MORTH TABLE-400-11

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**Reference** : EE/RRND/Wo. No./221/2013-14 Dated: 05.02.2014

Date of Testing : 17.04.2014

Material : WMM

Sample ID : WMM Layer

Oven Dry Wt (gm): 7575

| Is Sieve Size in mm | Weight Retained (gm) | Cumulative Weight Retained (gm) | Cumulative % of Retained | Cumulative % of Passing | Spec.Limits |
|---|---|---|---|---|---|
| 53 | 0 | 0 | 0 | 100 | 100 |
| 45 | 280 | 280 | 3.7 | 96.3 | 95-100 |
| 22.4 | 2515 | 2795 | 36.9 | 63.1 | 60-80 |
| 11.2 | 1230 | 4025 | 53.1 | 46.9 | 40-60 |
| 4.75 | 925 | 4950 | 65.3 | 34.7 | 25-40 |
| 2.36 | 880 | 5830 | 77.0 | 23.0 | 15-30 |
| 0.600 | 745 | 6575 | 86.8 | 13.2 | 8-22 |
| 0.075 | 565 | 7140 | 94.3 | 5.7 | 0-8 |

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